

**Appendix B. Potential Dioxin Sources in the Ohio River Basin.**

	PROBABIL	POTENTIAL	SOURCE TYPE	SITE NAME	LOCATION	COMMENTS
1	Low	Potential	Cement Kiln	Lafarge	Grand Chain, IL	Does not burn hazardous waste.
2	High	Potential	Medical Waste Incinerator	Western Baptist Hospital	Paducah, KY	Facility is permitted for dioxin emissions.
3	Moderate	Potential	Hazardous Waste Incinerator	LWD, Inc.	Calvert City, KY	Facility near the Ohio and Tennessee Rivers.
4	Moderate	Potential	Hazardous Waste Incinerator	Atochem	Calvert City, KY	Near the Tennessee R.
5	Low	Potential	Sewage Sludge Incinerator	Decatur STP	Decatur, IL	Facility is west of the Ohio River Basin.
6	Low	Potential	Secondary Copper Smelting	RECONTEK	Newman, IL	Not close to major tribs.
7	Moderate	Potential	Hazardous Waste Incinerator	Eli Lily Corp.	Clinton, IN	Near the Wabash R.
8	Moderate	Potential	Medical Waste Incinerator	Welborn Baptist Hospital	Evansville, IN	Near the Ohio River.
9	Moderate	Potential	Medical Waste Incinerator	St. Mary's Med. Center	Evansville, IN	Near theOhio River.
10	Moderate	Potential	Medical Waste Incinerator	Community Methodist Hospital	Henderson, KY	Facility is permitted for dioxin emissions, but not expected to generate dioxin.
11	Low	Potential	Wood Treating Facility	Koppers Industries, Inc.	Guthrie, KY	Not close to any major tribs.
12	Low	Potential	Medical Waste Incinerator	B.G. - Warren Co. Hospital	Bowling Green, KY	Facility is permitted for dioxin emissions, but not expected to generate dioxin.
13	High	Confirmed	Recycle Paper Facility	Scott Paper Co.	Newman, KY	Discharges to the Ohio and Green Rivers. Monitoring requirement for dioxin.
14	High	Confirmed	Pulp & Paper Mill	Willamette Industries	Hawesville, KY	Discharges to the Ohio R. Monitoring requirement for dioxin.
15	Low	Potential	Cement Kiln	Lehigh Portland Cement	Mitchell, IN	Does not burn hazardous waste. Site near the East Fork White River.
16	High	Potential	Cement Kiln	Lone Star Industries	Greencastle, IN	Burns hazardous waste. Site is near the Eel River.
17		Confirmed	Storage Facility	Wedzeb Enterprises, Inc.	Lebanon, IN	Stored electrical transformers. Confirmed groundwater, sediment and soil contamination.
18	Moderate	Potential	Hazardous Waste Incinerator	Eli Lily Corp.	Lafayette, IN	Near the Wabash R.
19	High	Potential	Cement Kiln	Essroc Logansport Corp.	Logansport, IN	Burns hazardous waste.
20	Moderate	Potential	Sludge Incinerator	Indianapolis Sludge Incinerator	Indianapolis, IN	Near the Wabash R.
21	Moderate	Potential	Hazardous Waste Incinerator	Reily Industries	Indianapolis, IN	Near the White R.
22	High	Confirmed	Hazardous Waste Incinerator	OgdenMartin Systems	Indianapolis, IN	Monitors for dioxin. Site near the White R.
23	Low	Potential	Copper Wire Incinerator	The Kroot Corp.	Columbus, IN	
24	Low	Potential	Cement Kiln	Essroc Materials	Speed, IN	Does not burn hazardous waste.
25	Moderate	Potential	Hazardous Waste Incinerator	Rohm	Louisville, KY	Near the Ohio R.
26	Low	Potential	Cement Kiln	Kosmos Cement	Kosmosdale, KY	Does not burn hazardous waste.
27	Moderate	Potential	Hazardous Waste Incinerator	Dupont	Louisville, KY	Near the Ohio R.
28	High	Potential	Cement Kiln	Solite	Brooks, KY	Burns hazardous waste.
29	Moderate	Potential	Wood Treating Facility	James Graham Brown Foudation	Louisville, KY	Facilty near the Ohio R.
30	Moderate	Potential	Hazardous Waste Incinerator	Smiths Farm	Shepherdsville, KY	Near the Salt R.
31	Low	Potential	Cement Kiln	Environment	Brooks, KY	Does not burn hazardous waste.
32	Moderate	Potential	Hazardous Waste Incinerator	Olin Corp.	Brandenburg, KY	Near the Ohio R.
33	High	Confirmed	Medical Waste Incinerator	Taylor Co. Hospital	Campbellsville, KY	Facility is permitted for dioxin emissions. Not close to any major tribs.
34	High	Confirmed	Medical Waste Incinerator	Westlake Cumberland Hospital	Columbia, KY	Facility is permitted for dioxin emissions. Not close to any major tribs.
35	Low	Potential	Hazardous Waste Incinerator	US Lexington	Richmond, KY	
36	Low	Potential	Medical Waste Incinerator	University of Kentucky	Lexington, KY	Site is not near any major tribs.
37	Moderate	Potential	Sewage Sludge Incinerator	Cynthiana WWTP	Cythiana, KY	Near the South Fork of the Licking R.
38	Moderate	Potential	Hazardous Waste Incinerator	Atochem	Carrollton, KY	Near the Ohio R.
39	Moderate	Potential	Refuse Incinerator	U.S. Army Proving Ground	Madison, IN	Near the Ohio R. Not certain type of materials burned.
40	Moderate	Potential	Medical Waste Incinerator	St. John's Health System	Anderson, IN	Near the White R.
41	Low	Potential	Wire Insulation Incinerator	DASCO, Inc.	Elwood, IN	
42	Moderate	Potential	Secondary Copper Refinery	Essex Group	Marion, IN	

43	High	Confirmed	Wood Treating Facility	Koppers Company, Inc.	Cincinnati, OH	Facility is inactive. Confirmed on-site soil contamination.
44	Moderate	Potential	Sewage Sludge Incinerator	Kenton Co.	Fort Wright, KY	
45	Moderate	Potential	Hazardous Waste Incinerator	Monsanto	Addyston, OH	Near the Ohio R.
46	Moderate	Potential	Sewage Sludge Incinerator	Millcreek	Cincinnati, OH	
47		Confirmed	Landfill	Skinner Landfill	West Chester, OH	Located near Mill Creek. Confirmed liquid sludge contamination.
48	High	Potential	Wastewater Treatment Plant	Middletown WWTP	Middletown, OH	Treats wastewater from Sorg Pulp & Paper Co. Discharges to G. Miami River.
49	High	Potential	Pulp & Paper Mill	Baywest	Middletown, OH	Facility discharges to the Great Miami River.
50	Moderate	Potential	Sewage Sludge Incinerator	Little Miami WWTP	Cincinnati, OH	Near the Little Miami R.
51	Moderate	Potential	Iron Sintering Plant	AK Steel Co.	Midletown, OH	Near the Great Miami R.
52	High	Potential	Paper Mill	Miami Papers	Franklin, OH	Does not use chlorine. Facility near the G. Miami R.
53	High	Potential	Paper Mill	Appleton Papers	Franklin, OH	Does not use chlorine. Facility near the G. Miami R.
54	Moderate	Potential	Sewage Sludge Incinerator	Warren Co.	Franklin, OH	Near the Great Miami R.
55	High	Confirmed	Wood Treating Facility	Cowan Lake State Park	Clinton County, OH	Confirmed soil cotamination from inactive wood treating facility.
56	High	Confirmed	Municipal Waste Incinerator	Montgomery Co. (South) Incinerator	Dayton, OH	Near the G. Miami R.
57	High	Confirmed	Municipal Waste Incinerator	Montgomery Co. (North) Incinerator	Dayton, OH	Near the G. Miami R.
58	High	Potential	Cement Kiln	Southdown	Fairborn, OH	Facility burns hazardous waste.
59		Confirmed	Municipal Waste Incinerator	Miami County Incinerator	Troy, OH	Located on the Great Miami River. Confirmed sediment contamination of unamed creek.
60	Low	Potential	Hazardous Waste Incinerator	BP Chemical	Lima, OH	Facility north of the Ohio R. Basin
61	Low	Potential	Cement Kiln	National	Carey, OH	Does not burn hazardous waste. Facility north of the Ohio R. Basin.
62	High	Confirmed	Municipal Waste Incinerator	Columbus MWI	Columbus, OH	Site is no longer active.
63	Moderate	Potential	Sewage Sludge Incinerator	Jackson Pike WWTP	Columbus, OH	
64	Moderate	Potential	Sewage Sludge Incinerator	Columbus (South)	Columbus, OH	
65	Moderate	Potential	Hazardous Waste Incinerator	PPG Industries	Circleville, OH	Near the Scioto R.
66	High	Potential	Pulp & Paper Mill	Mead Corp.	Chilicothe, OH	Facility uses chlorine. Discharges to Paint Cr.
67	High	Potential	Landfill	Triangle Landfill	South Salem, OH	Received potentially contaminated sludge from Mead Paper.
68	High	Potential	Landfill	Basic Concrete	Chilicothe, OH	Back-filled quarry pit with potentially contaminated sludge from Mead Paper.
69	High	Confirmed	Wastewater Treatment Plant	Wellston WWTP	Wellston, OH	Confirmed sludge contamination. Remedial action was taken.
70	Moderate	Potential	Chemical Manufacturer	Aristech	Haverhill, OH	Facility near the Ohio River.
71	Moderate	Potential	Hazardous Waste Incinerator	Dow Chemical	Ironton, OH	Near the Ohio River.
72	High	Confirmed	Medical Waste Incinerator	Kings Daughters Hospital	Ashland, KY	Permitted for dioxin emissions. Facility near the Ohio R.
73	High	Confirmed	Medical Waste Incinerator	Medisin, Inc.	Prestonburg, KY	Permitted for dioxin emissions. Near the Levisa Fork of the Big Sandy R.
74	Moderate	Potential	Sewage Sludge Incinerator	Huntington	Huntington, WV	Near the Ohio R.
75	Moderate	Potential	Chemical Manufacture	Holder Chemical	Ona, WV	No soil contamination. Low levels of dioxin found in fish.
76	Moderate	Potential	Landfill	South Charleston Landfill	South Charleston, WV	Disposal site 2,4,5-TCP production facility. No soil contamination found.
77	Moderate	Potential	Chemical Manufacture	Union Carbide	South Charleston, WV	2,4,5-TCP production facility. No soil contamination found.
78	Moderate	Potential	Hazardous Waste Incinerator	Union Carbide	South Charleston, WV	Near the Kanawha R.
79		Potential	Chemical Manufacturer	Dupont Belle Plant	Belle, WV	Located on the Kanawha River. Accepted organic wastes from 1926-1977.
80	Moderate	Potential	Landfill	George's Creek Landfill	Madden, WV	Landfill located on George's Creek near the Kanawha R. Accepted Monsanto waste.
81		Potential	Landfill	Holmes & Madden Landfill	Charleston, WV	
82		Potential	Landfill	Clark Property	Dunbar, WV	
83	Moderate	Potential	Hazardous Waste Incinerator	Union Carbide (Rhone Poulenc)	Institute, WV	Near the Kanawha R.
84		Potential	Landfill	Don's Disposal	Charleston, WV	
85		Potential	Landfill	Western Kanawha Landfill	Cross Lanes, WV	
86	High	Confirmed	Landfill	Nitro Dump	Nitro, WV	Confirmed soil contamination.
87	High	Confirmed	Chemical Manufacture	Fike (Artel) Chemicals	Nitro, WV	Confirmed soil contamination.
88		Potential	Landfill	Avtex Landfill	Nitro, WV	Located on the Kanawha River.

89	High	Potential	Chemical Manufacturer	Flexsys/Solutia (Monsanto)	Nitro, WV	Located on the Kanawha River.
90	Moderate	Confirmed	Landfill	Old Monsanto Landfill (I-64)	Nitro, WV	Located on the Kanawha River. Confirmed soil contamination.
91		Confirmed	Landfill	AES/Monsanto (Solutia)	Nitro, WV	Confirmed soil contamination.
92		Potential	Landfill	Midwest Steel Landfill	Nitro, WV	Landfill adjacent to Armour Creek.
93		Potential	Landfill	Flexsys Armour Creek Landfill	Nitro, WV	Landfill adjacent to Armour Creek.
94		Potential	Landfill	Fleming Landfill	Poca, WV	
95	High	Confirmed	Landfill	Poca Strip Mine Landfill	Poca, WV	Confirmed soil contamination.
96	High	Confirmed	Landfill	Heizer Creek Landfill	Poca, WV	Dump site along Heizer Creek. Confirmed soil contamination.
97	High	Confirmed	Landfill	Manilla Creek Landfill	Poca, WV	Dump site along Manila Creek. Confirmed soil contamination.
98	High	Confirmed	Railcar Repair & Maintenance	American Car & Foundary	Winfield, WV	Confirmed soil contamination.
99	Moderate	Potential	Hazardous Waste Incinerator	Dupont	Parkersburg, WV	Near the Ohio R.
100	Moderate	Potential	Hazardous Waste Incinerator	Shell Chemical	Belpre, OH	Near the Ohio R.
101	High	Confirmed	Wood Treating Facility	Tomkins Industries	Malta, OH	Confirmed soil contamination. Facility near the Ohio River.
102	High	Confirmed	Chemical Manufacture	Dover Chemical	Dover, OH	Confirmed contamination. Facility near Sugar Cr.
103	High	Confirmed	Chemical Manufacture	PPG	Barberton, OH	Confirmed contamination. Facility near the Tuscarawas R.
104	Moderate	Potential	Municipal Waste Incinerator	Akron MWI	Akron, OH	Not close to major tribs
105	Low	Potential	Sewage Sludge Incinerator	Akron WWTP	Akron, OH	Not close to major tribs.
106	Low	Potential	Sewage Sludge Incinerator	Canton WWTP	Canton, OH	Not close to major tribs
107	High	Confirmed	Chemical Manufacturer	Union Carbide	Marietta, OH	Confirmed soil contamination. Facility near the Ohio River.
108	Moderate	Potential	Hazrdous Waste Incinerator	American Cyanamid	Willow Island, WV	Near the Ohio River.
109	Moderate	Potential	Hazardous Waste Incinerator	OSI Special	Sisterville, WV	Near the Ohio R.
110	Moderate	Potential	Hazardous Waste Incinerator	Miles, Inc.	New Martinsville, WV	Near the Ohio R.
111	Moderate	Potential	Iron Sintering Plant	Wheeling - Pittsburgh Steel	East Steubenville, WV	Near the Ohio R.
112	Moderate	Potential	Iron Sintering Plant	Wierton Steel	Weirton, WV	Near the Ohio R.
113	High	Confirmed	Hazardous Waste Incinerator	Waste Technologies Industries	East Liverpool, OH	Air emissions monitored for dioxin. Facility near the Ohio R.
114	Low	Potential	Hazardous Waste Incinerator	LTV Steel	Warren, OH	
115	Moderate	Potential	Iron Sintering Plant	WCI Steel	Warren, OH	
116	Low	Potential	Sewage Sludge Incinerator	Youngstown WWTP	Youngstown, OH	Not close to major tribs.
117		Confirmed	Transformer Manufacturer	Westinghouse Electric Corp.	Sharon, PA	Located near Shenango River. Confirmed groundwater contamination.
118	Low	Potential	Cement Kiln	Essroc Mate	Bessemer, PA	Does not burn hazardous waste.
119	High	Potential	Cement Kiln	Cemtech Cement Co.	Wampum, PA	Burns hazardous waste.
120	Moderate	Potential	Sewage Sludge Incinerator	Ambridge STP	Ambridge, PA	Near the Ohio R.
121		Confirmed	Chemical Manufacture	Ohio River Park Superfund Site	Neville Island, PA	Located on the Ohio River. Confirmed soil contamination.
122	Low	Potential	Cement Kiln	Armstrong Cement & Supply	Cabot, PA	Does not burn hazardous waste.
123	Low	Potential	Cement Kiln	Kosmos Cement	Pittsburgh, PA	Does not burn hazardous waste.
124	Moderate	Potential	Sewage Sludge Incinerator	Alcosan WWTP	Pittsburgh, PA	Near the Ohio R.
125	Low	Potential	Cement Kiln	Lafarge	Whitehall, PA	Does not burn hazardous waste.
126	Low	Potential	Cement Kiln	Hercules	West Elizabeth, PA	Does not burn hazardous waste.
127	Moderate	Potential	Municipal Waste Incinerator	Wheelabrator	Morrisville, PA	
128	Low	Potential	Sewage Sludge Incinerator	Clarksburg STP	Clarksburg, WV	Not close to major tribs.
129	Moderate	Potential	Hazardous Waste Incinerator	Ordnance	Morgantown, WV	
130	Moderate	Potential	Hazardous Waste Incinerator	Neville Chemical	Pittsburgh, PA	Near the Ohio R.
131	Moderate	Potential	Sewage Sludge Incinerator	Kiski VALley Water Pollution Control	Leechburg, PA	
132	Moderate	Potential	Sewage Sludge Incinerator	Kiski Valley WP	Apollo, PA	Near the Kiskiminetas R.
133	Moderate	Potential	Municipal Waste Incinerator	Westmoreland MWI	Greensburg, PA	Not close to major tribs.
134	Low	Potential	Sewage Sludge Incinerator	City of Johnstown	Johnstown, PA	Facility on eastern edge of basin.

135	High	Potential	Pulp & Paper Mill	Penntech Papers, Inc.	Johnsonburg, PA	Facility uses chlorine in bleaching process.
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Data compiled from the following sources:  
National Dioxin Study (EPA, 1987)  
Quantitative Estimation of the Entry of Dioxins, Furans and Hexachlorobenzene from Airborne and Waterborne Sources (Cohen and associates, 1995)  
Dioxin TMDL Development for Kanawha River, Pocatalico River, and Armour Creek, West Virginia Draft (LTI for US EPA Region III, 1999)  
Information requests to state officials from Pennsylvania, Ohio, West Virginia, Kentucky, Indiana and Illinois (1995/1996).